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VIA FACSIMILE - Thirty-three (33) PAGES (Including This Cover)Commissioner for Patents
POB 1450, Alexandria, VA 22313-1450
Transmitted to USPTO Central Fax No. 703-872-9306Re: E. DURET, et al. - Application No.: 09/899,039
Docket No.: 612.40260X00
Examiner: R. W. Freid**SUBMISSION OF DOCUMENTS**

Sir:

Applicant hereby transmits the attached "AMENDMENT" (10 pp),
"APPENDIX A" (1 pg), submitting a SUBSTITUTE SPECIFICATION (11 pp) and a
MARKED-UP VERSION OF THE ORIGINAL SPECIFICATION (10 pp) in connection with
the above-identified application.

CERTIFICATE OF TRANSMISSION:

I hereby certify that the attached "Amendment" (10 pp), "APPENDIX A" (1 pg)
submitting a "Substitute Specification" (11 pp) and a "marked-up version of the
original Specification" (10 pp) are being **FORMALLY TRANSMITTED** via the USPTO
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Deborah L. Therrien

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612.40260X00
4689/00/JC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: E. DURET, et al.
Application No.: 09/899,039
Filed: July 6, 2001
For: METHOD AND SYSTEM INTENDED FOR REAL-TIME
ESTIMATION OF THE FLOW MODE OF A MULTIPHASE
FLUID STREAM AT ALL POINTS OF A PIPE
Art Unit: 2128
Examiner: R. W. Frejd

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 23, 2005

Sir:

In response to the first Office Action dated December 23, 2004, please amend the above-identified application as listed below and as set forth on the following pages:

Amendments to the Specification;

Amendments to the Claims;

Remarks are included following the amendments; and

Appendix A Including a Substitute Specification and a marked-up version of the original Specification are attached following the remarks.